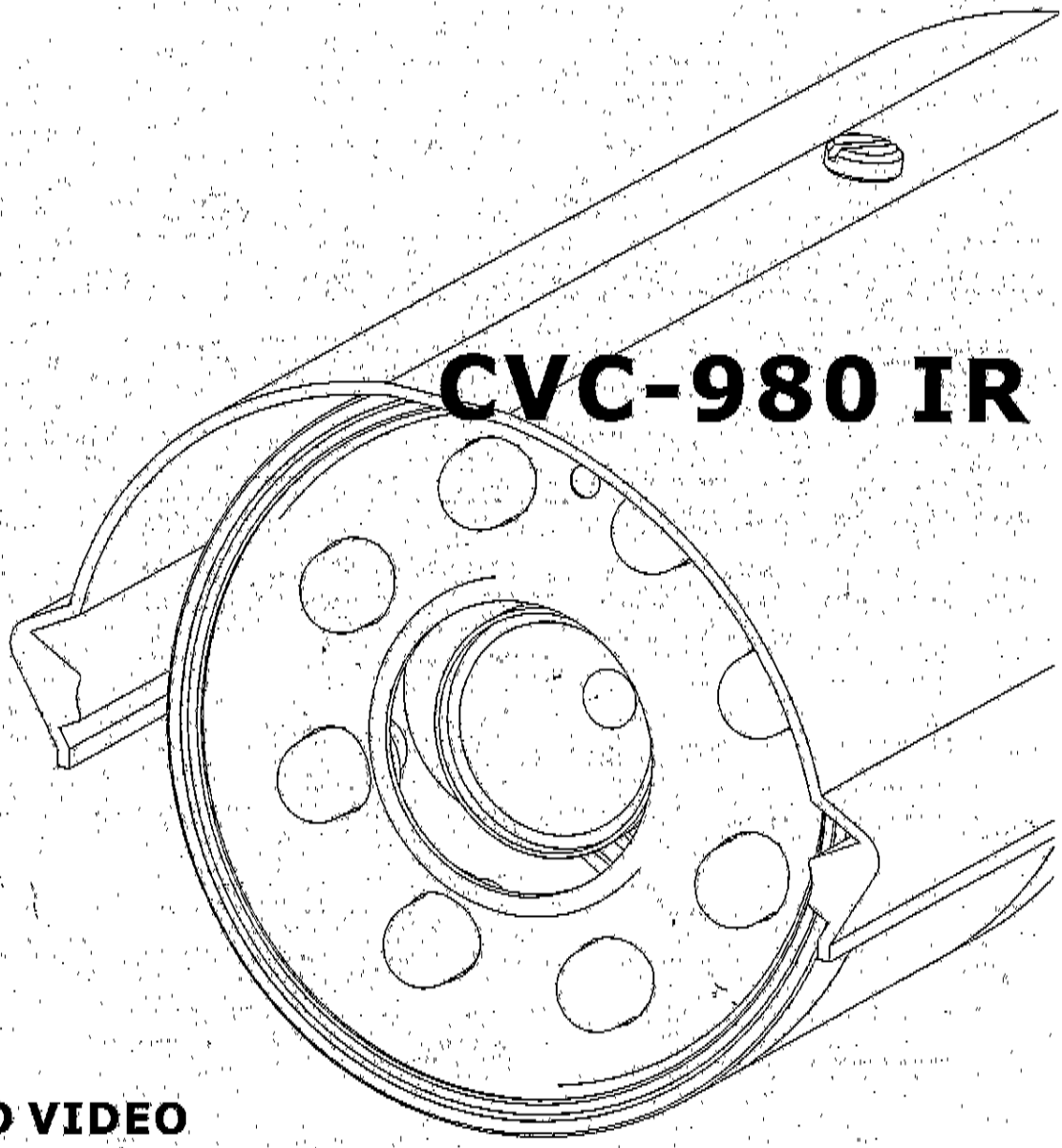
ight Vision Camera

USER MANUAL



CVC-980 IR

PRO VIDEO
200 NEW HIGHWAY
AMITYVILLE, N.Y.11701

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INTELLIVISION® CAMERA

FEATURES

1. The CVC-980 IR is a night vision camera with infrared light emitting diodes.(IR LED)

2. Super powered IR-LED enables you to see any object under total darkness.

3. A micro-computer inside the unit perceives illumination and temperature changes and controls the IR-LED and the cooling Fan.

4. A sunvisor reduces sunlight into the lens and protects the camera against rain or snow.

5. The CVC-980 IR is made of aluminum with a corrosion-free surface to resist rust or corrosion for a long lifetime.

6. The CVC-980 IR comes with the Sony EX View HAD with 410K pixels for an excellent display in a dark environment.

*** EX View HAD CCD is a trademark of Sony Corporation.**

WARNNING & CAUTION

-Follow the instructions-

Please follow below instructions for safe use.

Information

Read the user guide carefully before any installation for safe operation of product.

WARNNING

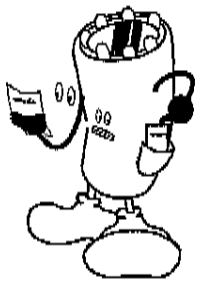
Indicating the possibility of serious injury or death.

CAUTION

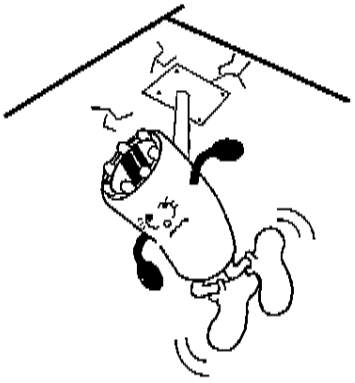
Indicating the possibility of serious injury or material loss.

⚠ WARNNING

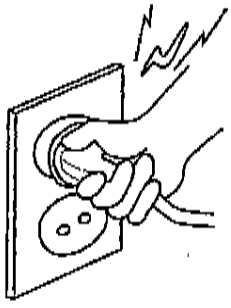
-Please study the instruction manual before use and keep it for your future reference.



-Do not install the camera on an unstable surface. It will cause falling or other hazards.

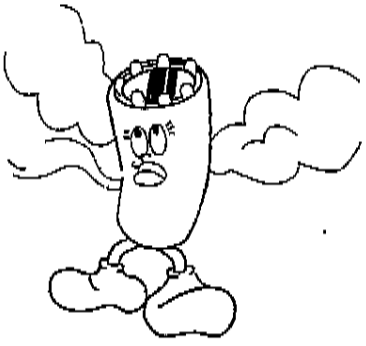


-Do not use improper power, it could cause fire or electronic shock.



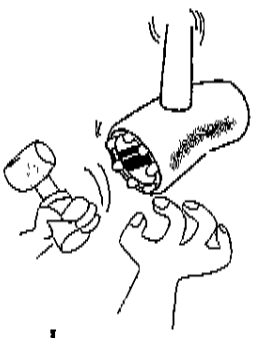
-Do not disassemble or remodel the camera, it could cause fire, electronic shock or other hazards.

-Stop using the camera when you find a malfunction like smoke or unusual heat, it could cause fire or electronic shock.

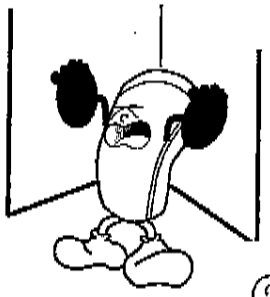


⚠ CAUTION

-Please pay extra attention not to scratch the front glass. The front glass is reinforced and specially-coated.

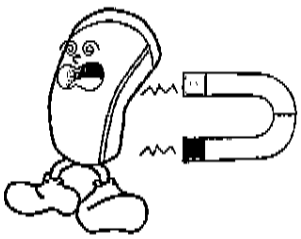


-This device is designed for outdoor use. When you want to install it pleae check if your covering area is wider than 10m(W) x 20m(D) x 5m(H)

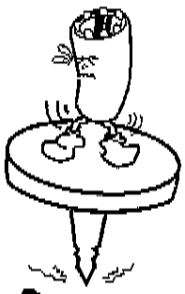


-Unplug AC power cord and clear front glass with neutral detergent. Please pay attention not to put any liquid to the air hole.

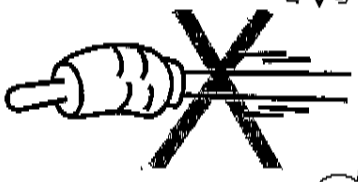
-Do not put flammable material or other to the camera unit which might cause any danger.



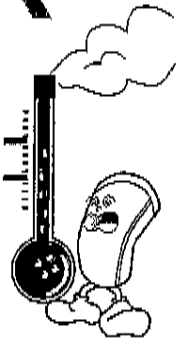
-Do not put the unit on an unstable stand or table.



-DC power cable or Video cable should be always loose. Do not keep the cables tight or twisted.

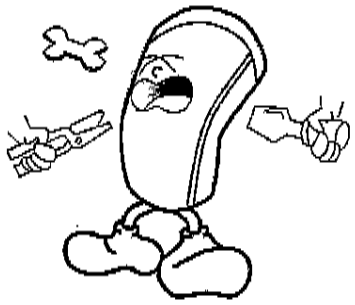


-Please use the camera unit within given temperature and electricity limit.



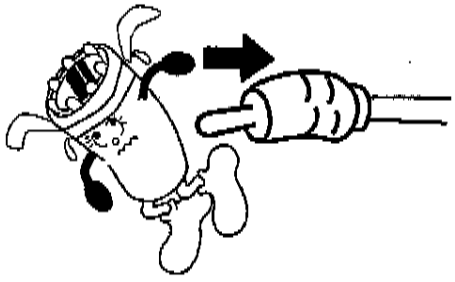
⚠ CAUTION

-Please make sure that installation should be done by professional workers only.



-Do not disassemble the unit by yourself. When there is problem with the unit please call the shop where you bought.

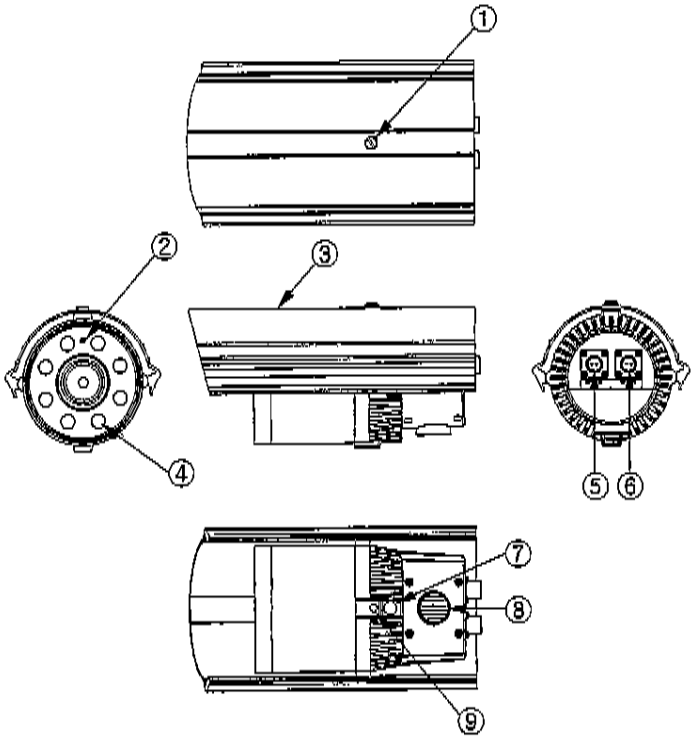
-Stop operating and remove connector from Night Vision camera if the below causes happen.



1) When power connector & video connector are broken.
2) When body is broken and dropped.
3) When it is not operating though it is set correctly.

If you can find the above causes continuously contact the shop where you purchased.

CONFIGULATION



① **Fixing bolt for sunvisor**

* **You can unfasten the bolt in order to fix a mounting bracket above.**

② **CDS sensor**

③ **IR-LED : automatically controlled according to light condition.**
(Below 2-3 Lux = on/ over 6-7 Lux = off)

④ **Sunvisor : To reduce direct sunlight and protect the camera unit from rain or snow outdoors.**

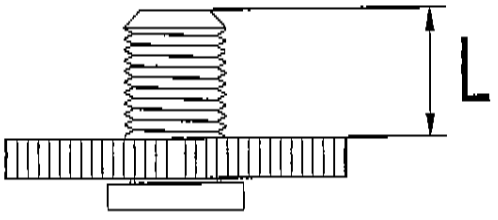
⑤**POWER SOURCE RECEPTACLE : DC Power input (12V DC)**

⑥**VIDEO OUT : Video Signal Output.**

⑦**AIR INPUT HOLE : Air flow through the hole with the fan working.**

⑧**AIR OUTPUT HOLE : Heated air comes out through the hole.**

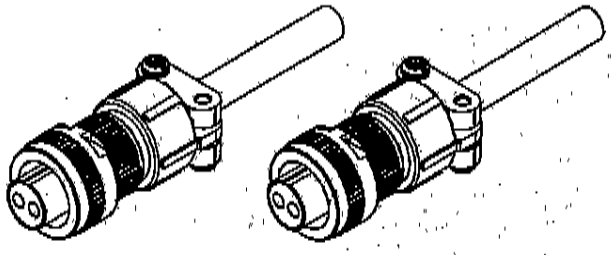
⑨**Mounting bracket fixing nut : Either this hole or one above is available.**



-Screw dimension for the hole-

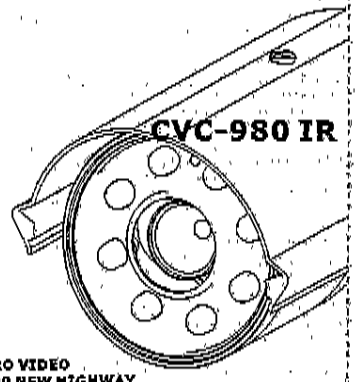
1/4"~20UNC(20THEAD)
L: 4.5mm±0.2mm(ISO standard)
0.197"(ASA standard)

ACCESSORIES



Two Connectors

Night Vision Camera
USER MANUAL



PRO VIDEO
200 NEW HIGHWAY
AMITYVILLE, N.Y.11701

USER MANUAL &
WARRANTY CARD

OPERATION

1. If you turn the power on, you can see the Video Output signal.

2. Details for IR-LED

   1) When the light is around 2-3 Lux, IR-LED will be on.
   And the light goes up to 6-7 Lux, IR-LED will be off.

   2) Once IR-LED is on, it will continue for at least 2minutes.

3. Details for FAN.

   1) When the temperature goes up to 50℃, the cooling fan will work automatically.

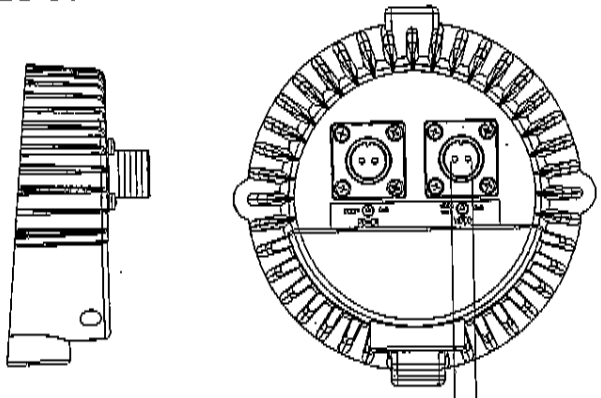
   2) And the temperature falls down to 45℃, the fan will be off.

4. This unit uses Auto iris lens (F/# 1.4,f=12.0mm),so please fix focus farther than 3m. You can not get a good focus at a closer distance than 3m.

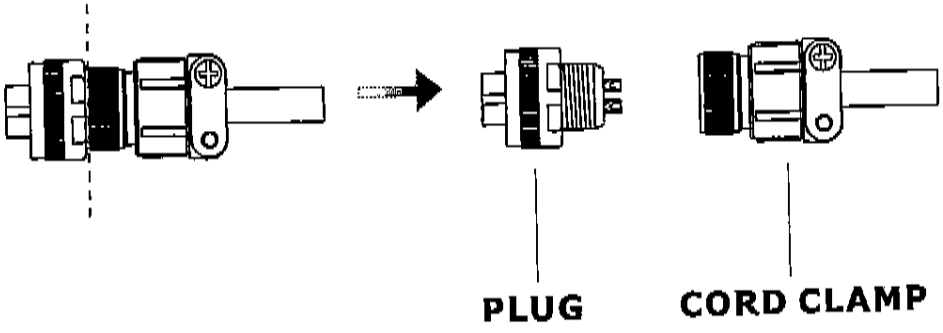
INSTALLATION

1. First, you have to find a stable place to set a camera.

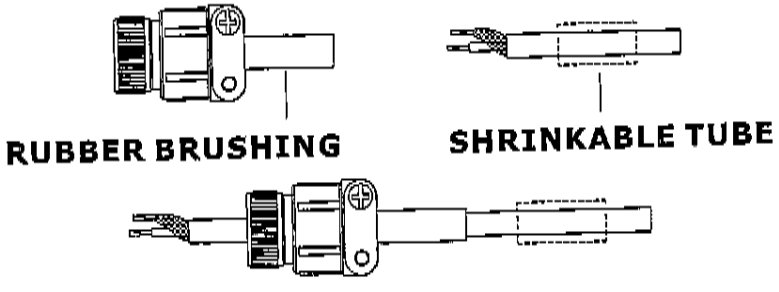
2. Connect the Video out.



* Disassemble the connector as shown below.



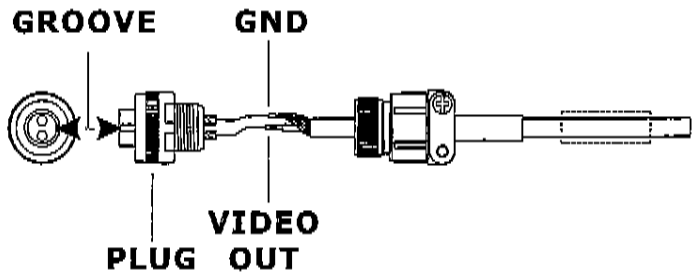
* First, put the coaxial, which is connected to video input terminal of equipment like monitor or multiplexer, into the shrinkable tube, and then insert this cable into cord clamp through rubber brushing.



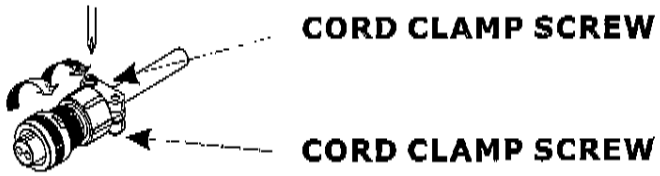
INSTALLATION

CONNECTING TO VIDEO

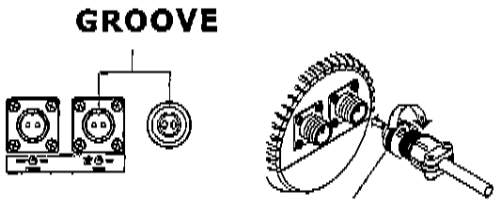
* Solder it to the back of plug.



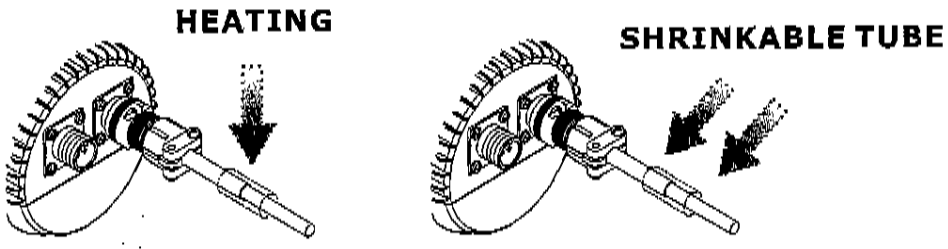
* Tighten cord clamp screw, after screwing each connector firmly.



* Connect cable to the connector on the camera by screwing it clockwise.



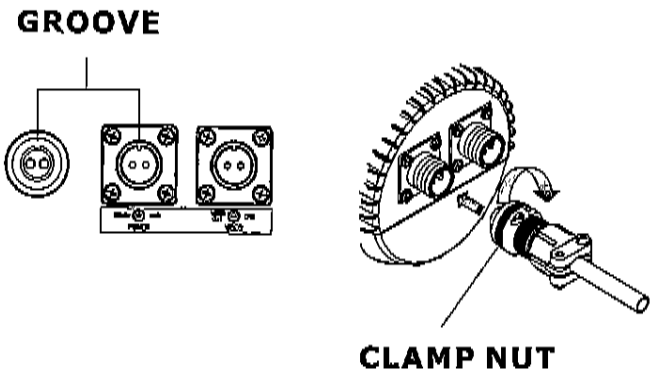
* After placing a shrinkable tube, make it shrink by heat.



INSTALLATION

CONNECTING TO POWER

3. Refer to the method to connect video cable.
Use AWG18 for power cable.



DC12V 1.5A

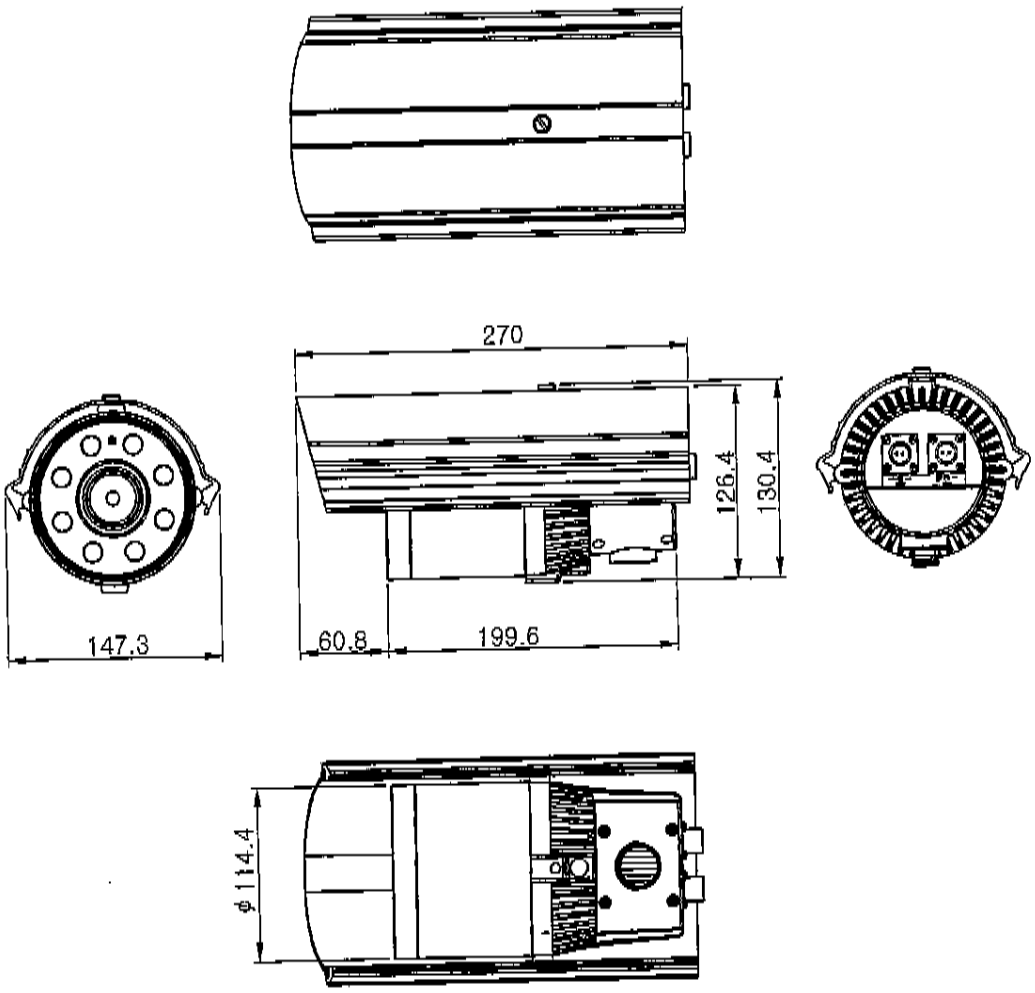
TROUBLESHOOTING

Problem	Solution
Nothing appears on the screen	-Check if the power cord and line connection between the camera and monitor are made properly
The image on the screen is dim	-Check if the lens is stained If dirty, clean the lens with soft, clean cloth
The image on the screen is dim	-Does the camera face to the sun directly or fluorescent light? Change the camera position
The contrast on the screen is too weak	-Adjust the contrast feature of the monitor? -If the camera is exposed under too strong light, change the camera position

***If you can not solve the problem, please contact an authorized technician.**

SPECIFICATIONS

DIMENSION



SPECIFICATIONS

SPECIFICATION

MODEL NO	CVC-980 IR
TYPE	B/W CAMERA
Image sensor	440k Pixel EX View, 1/3" SONY
Effective Pixel	768(H) x 494(V) : EIA / 752(H) x 582(V) : CCIR
Cell size	6.35㎛(H) x 7.4㎛(H) : EIA / 6.50㎛(H) x 6.25㎛(H) : CCIR
Resolution	570TV - LINE
TV LINE	EIA, CCIR
Sync. Type	Internal
Scanning Frequency(HOR)	15.734MHz(EIA) / 15.625MHz (CCIR)
Scanning Frequency(VER)	59.94Hz
Video Output	1.0VP.P
Gamma Characteristic	γ =0.45 Typ.
Min. Illumination	0.001 Lux
S/N Ratio	48dB
Gain Control	Automatic
BLC	Center + Bottom
IRIS	DC AUTOMATIC IRIS
Shutter	1/60(EIA), 1/50(EIA)
Power Supply	12V DC
Consumption Current	1.5A
Reverse Polarity Protection	Built in
Lens	12mm AUTO IRIS
Operation Temp.	-10℃ ~ 50℃
Preservation Temp.	-30℃ ~ 80℃
Dimension	147.3(W)x 270(D)x 130.4(H)
Weight	2.5kg

NIGHT VISION CAMERA